

```

chain nodes :
21 22 23 24 25 26 27 28 29 30 32 33
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
chain bonds :
1-8 2-24 3-26 4-32 5-25 6-23 11-22 12-21 14-15 16-27 17-30 18-33 19-29 20-28
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 9-12 10-11 10-14 12-13 13-14
15-16 15-20 16-17 17-18 18-19 19-20
exact/norm bonds :
4-32 7-8 7-11 8-9 9-10 9-12 10-11 10-14 11-22 12-13 12-21 13-14 18-33
exact bonds :
1-8 2-24 3-26 5-25 6-23 14-15 16-27 17-30 19-29 20-28
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 15-16 15-20 16-17 17-18 18-19 19-20

```

Gl:X,CH3,i-Bu,Et

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:CLASS
22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS
32:CLASS 33:CLASS

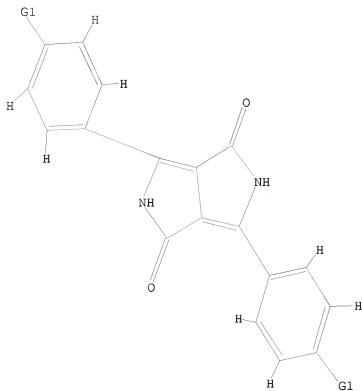
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L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

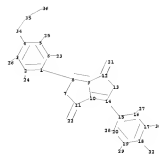
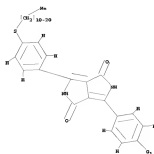
L1 STR



G1 X, Me, i-Bu, Et

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\10 series\10576703\04.01.2008\2.str



```

chain nodes :
21 22 23 24 25 26 27 28 29 30 32 34 35 36
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
chain bonds :
1-8 2-24 3-26 4-34 5-25 6-23 11-22 12-21 14-15 16-27 17-30 18-32 19-29 20-28
34-35 35-36
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 9-12 10-11 10-14 12-13 13-14
15-16 15-20 16-17 17-18 18-19 19-20
exact/norm bonds :
4-34 7-8 7-11 8-9 9-10 9-12 10-11 10-14 11-22 12-13 12-21 13-14 18-32
exact bonds :
1-8 2-24 3-26 5-25 6-23 14-15 16-27 17-30 19-29 20-28 34-35 35-36
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 15-16 15-20 16-17 17-18 18-19 19-20

```

G1:X,CH3,i-Bu,Et

Match level :

```

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:CLASS
22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS
32:CLASS 34:CLASS 35:CLASS 36:CLASS

```

L2 STRUCTURE UPLOADED

=> d

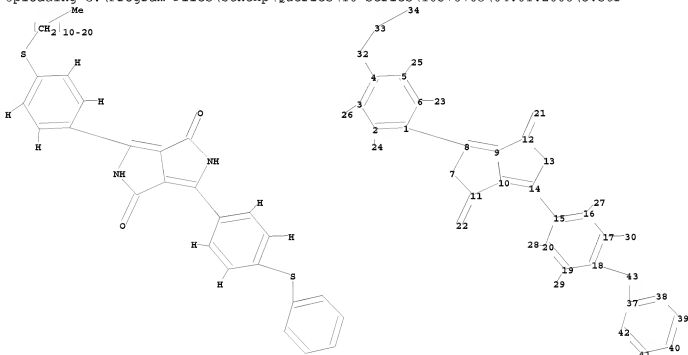
L2 HAS NO ANSWERS

L2 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

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chain nodes :

21 22 23 24 25 26 27 28 29 30 32 33 34 43

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 37 38 39 40 41
42

chain bonds :

1-8 2-24 3-26 4-32 5-25 6-23 11-22 12-21 14-15 16-27 17-30 18-43 19-29 20-28
32-33 33-34 37-43

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 9-12 10-11 10-14 12-13 13-14
15-16 15-20 16-17 17-18 18-19 19-20 37-42 37-38 38-39 39-40 40-41 41-42

2 APR 2008

```
exact/norm bonds :
4-32 7-8 7-11 8-9 9-10 9-12 10-11 10-14 11-22 12-13 12-21 13-14 18-43 37-43
exact bonds :
1-8 2-24 3-26 5-25 6-23 14-15 16-27 17-30 19-29 20-28 32-33 33-34
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 15-16 15-20 16-17 17-18 18-19 19-20 37-42 37-38
38-39 39-40 40-41 41-42
```

G1:X,CH3,i-Bu,Et

```
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:CLASS
22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS
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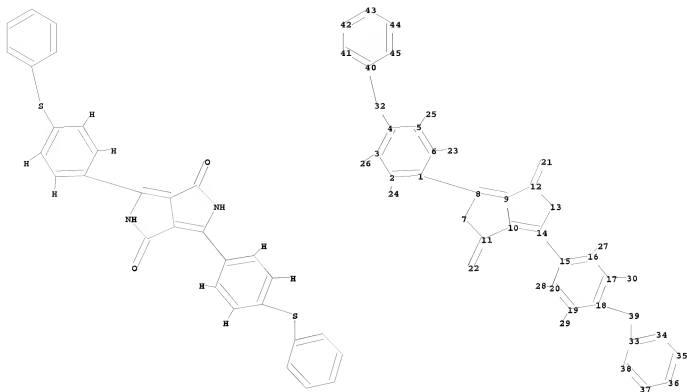
L3 STRUCTURE UPLOADED

```
=> d
L3 HAS NO ANSWERS
L3 STR
```

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

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chain nodes :

21 22 23 24 25 26 27 28 29 30 32 39

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 33 34 35 36 37
38 40 41 42 43 44 45

chain bonds :

1-8 2-24 3-26 4-32 5-25 6-23 11-22 12-21 14-15 16-27 17-30 18-39 19-29 20-28
32-40 33-39

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 9-12 10-11 10-14 12-13 13-14
15-16 15-20 16-17 17-18 18-19 19-20 33-38 33-34 34-35 35-36 36-37 37-38 40-41
40-45 41-42 42-43 43-44 44-45

exact/norm bonds :

4-32 7-8 7-11 8-9 9-10 9-12 10-11 10-14 11-22 12-13 12-21 13-14 18-39 32-40
33-39

exact bonds :

1-8 2-24 3-26 5-25 6-23 14-15 16-27 17-30 19-29 20-28

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 15-16 15-20 16-17 17-18 18-19 19-20 33-38 33-34
34-35 35-36 36-37 37-38 40-41 40-45 41-42 42-43 43-44 44-45

G1:X,CH3,i-Bu,Et

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:CLASS
 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS
 32:CLASS 33:CLASS 34:CLASS 35:Atom 36:Atom 37:Atom 38:Atom 39:CLASS 40:Atom
 41:Atom 42:Atom 43:Atom 44:Atom 45:Atom

L4 STRUCTURE UPLOADED

=> d

L4 HAS NO ANSWERS

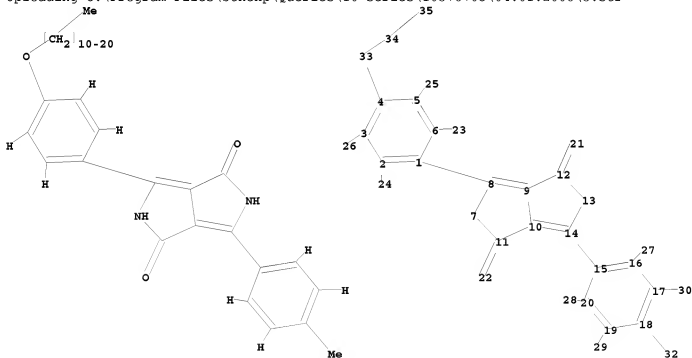
L4 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=>

Uploading C:\Program Files\Stnexp\Queries\10 series\10576703\04.01.2008\5.str



chain nodes :

21 22 23 24 25 26 27 28 29 30 32 33 34 35

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

```
chain bonds :
1-8  2-24  3-26  4-33  5-25  6-23  11-22  12-21  14-15  16-27  17-30  18-32  19-29  20-28
 33-34  34-35
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  7-8  7-11  8-9  9-10  9-12  10-11  10-14  12-13  13-14
15-16  15-20  16-17  17-18  18-19  19-20
exact/norm bonds :
4-33  7-8  7-11  8-9  9-10  9-12  10-11  10-14  11-22  12-13  12-21  13-14
exact bonds :
1-8  2-24  3-26  5-25  6-23  14-15  16-27  17-30  18-32  19-29  20-28  33-34  34-35
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6  15-16  15-20  16-17  17-18  18-19  19-20
```

G1:X,CH3,i-Bu,Et

Match level :

```
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:CLASS
22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS
32:CLASS 33:CLASS 34:CLASS 35:CLASS
```

L5 STRUCTURE UPLOADED

```
=> d
L5 HAS NO ANSWERS
L5 STR
```

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

```
=> s l1 ful
FULL SEARCH INITIATED 13:57:48 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2372 TO ITERATE

100.0% PROCESSED 2372 ITERATIONS 41 ANSWERS
SEARCH TIME: 00.00.01
```

L6 41 SEA SSS FUL L1

```
=> s l2 ful
FULL SEARCH INITIATED 13:57:53 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 9 TO ITERATE

100.0% PROCESSED 9 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01
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L7 2 SEA SSS FUL L2

```
=> s l3 ful
FULL SEARCH INITIATED 13:57:57 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 67 TO ITERATE

100.0% PROCESSED 67 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01
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L8 1 SEA SSS FUL L3

=> s l4 ful

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FULL SCREEN SEARCH COMPLETED - 107 TO ITERATE100.0% PROCESSED 107 ITERATIONS 11 ANSWERS
SEARCH TIME: 00.00.01

L9 11 SEA SSS FUL L4

=> s l5 ful

FULL SEARCH INITIATED 13:58:03 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 187 TO ITERATE100.0% PROCESSED 187 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L10 1 SEA SSS FUL L5

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	890.88	891.09

FILE 'CAPLUS' ENTERED AT 13:58:05 ON 01 APR 2008
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FILE COVERS 1907 - 1 Apr 2008 VOL 148 ISS 14
FILE LAST UPDATED: 31 Mar 2008 (20080331/ED)Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:<http://www.cas.org/infopolicy.html>

=> s l6

L11 928 L6

=> s l12

L12 NOT FOUND

The L-number entered has not been defined in this session, or it has been deleted. To see the L-numbers currently defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s l12

L12 NOT FOUND

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has been deleted. To see the L-numbers currently defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s 17

L12 1 L7

=> s 118

L18 NOT FOUND

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=> s 19

L14 4 L9

=> s 110

L15 2 L10

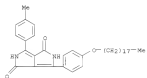
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L15 AMBER 2 OF 2
ACCESSION NUMBER OF 2005: 395400 CARLOS
DOCUMENT NUMBER: 144121258
TITLE: Heat-stable diketopropylglycol pigment mixtures for cosmetics
INVENTOR(S): Wallquist, Gofry, Lenz, Rosary, Feiler, Leonard, Ruppel, Mathias, Yoncal, Zaher, De Meyer, Gerardus
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Swiss
SOURCE: ICT Int. Appl., 54 pp.
CODING: PEXIDE
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY AC. NUM. COUNT: 1
PATENT INFORMATION: INSTANT

[illegible][illegible]

OTHER SOURCE(S):	CASREACT 142;12928; NAQSAT 142;142928
IN 85056-76-6P	
RU: COS (Cosmetic use); IMF (Industrial manufacture); MCA (Modifier or additive use); TM (Technical or engineered material use); SIGL (Biological study); PREP (Preparation); USE (Use)	
	(red pigment; production of heat-stable diketopropolpyrolysate pigments for cosmetics)
IN 85056-76-4 CAPLOS	
RU 142-142928-1	
CH 85056-76-4	Pyrom 3,4-bis(2-ethyl-1,4-dione, 2,5-dihydro-3-[4-methylphenyl]-6-[4-oxotetradecyl]phenyl)-1,4-IMEX NAME

115 ANSWER 2 OF 2 CAPLOS COPYRIGHT 2001 ACS on STN (Continued)



REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/576,703 - Compound Search Review

L13 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 142412928

DOCUMENT NUMBER: 142412928

TITLE: Heat-stable diketopyrrolopyrrole pigment mixtures for cosmetics

INVENTOR(S): Wallquist, Olef; Lenz, Remy; Koller, Leonhard; Duggelli, Mathias; Tonnar, Taher; De Keyser, Gerardus

PATENT ADDRESSEE(S): Clus Specialty Chemicals Holding Inc., Swiss

SOURCE: PCT Int. Appl., 54 pp.

CODEN: PEXE22

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY NO. NUM. COUNTRY: 1

PATENT INFORMATION:

INSTANT

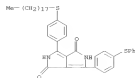
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
NO 2020040284	A1	20200106	MO 2004-EP22426	20041004
US 2004284335	A1	20050106	MO 2004-284335	20041004
CA 2543119	A1	20050106	CA 2004-2543119	20041004
EP 1678916	A1	20060705	EP 2004-79138	20041004
JP 200421829	A	20061219	JP 2004-8002186	20041004
BR 2004015831	A	20070102	BR 2004-15831	20041004
JP 2007114798	T	20070607	JP 2004-15831	20041004
US 20070018907	A1	20070208	US 2004-15831	20040419
MX 2006042177	A	20060614	MX 2004-042177	20040420
RU 20060301381	A	20070706	RU 2004-031381	20040421
PRIORITY APPL. INFO.:			CA 2003-1517	A 20031023
OTHER SOURCE(S):			MO 2004-EP22426	M 20041004
IT 252441-04-EP			CASREACT 142412928; NMRPAT 142412928	

Flu (Cosmetic use); IMF (Industrial manufacture); NMR (Modifier or additive use); TBN (Technical or engineered material use); R100 (Biological study); PEP (Preparation); HED (Heat-stable red dye; production of heat-stable diketopyrrolopyrrole pigment mixtures for cosmetics)

BR 252441-04-EP CAPLUS

CH Pyrazole[1,4-c]pyridine-3,4-dione, 2,3-dihydro-3-[4-(octadecylthio)phenyl]-6-[4-(phenylthio)phenyl]- (CA INDEX NAME)

L13 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

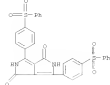


REFERENCE COUNT: 20

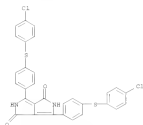
THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE SE FORMAT

10/576,703 - Compound Search Review

L14 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

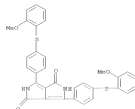


RII 85G740-16-8 CAPLUS
 CH Pyrrrole[3,4-c]pyrrole-3,4-dione, 2,6-bis[4-[(4-chlorophenyl)thio]phenyl]-, 2,5-dihydro- (CA INDEX NAME)

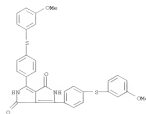


RII 85G740-17-9 CAPLUS
 CH Pyrrrole[3,4-c]pyrrole-3,4-dione, 2,5-dihydro-3,6-bis[4-[(2-methoxyphenyl)thio]phenyl]- (CA INDEX NAME)

L14 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

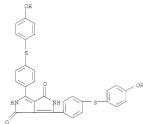


RII 85G740-18-0 CAPLUS
 CH Pyrrrole[3,4-c]pyrrole-3,4-dione, 2,5-dihydro-3,6-bis[4-[(3-methoxyphenyl)thio]phenyl]- (CA INDEX NAME)



RII 85G740-13-3 CAPLUS
 CH Pyrrrole[3,4-c]pyrrole-3,4-dione, 2,5-dihydro-3,6-bis[4-[(4-methoxyphenyl)thio]phenyl]- (CA INDEX NAME)

L14 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE XB FORMAT

L14 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004160599 CAPLUS
 DOCUMENT NUMBER: 140112512
 TITLE: High-molecular-weight polymeric materials comprising diheteropyrrolopyrrole pigments for optical color filters
 INVENTOR(S): Lema, Roman; De Meyers, Gerardus; Mailquest, Clot; Vossat, Taher
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Swiss
 SOURCE: PCT Int. Appl., 33 pp.
 DOCUMENT TYPE: OTHER: FIKNDZ
 LANGUAGE: Patent
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION: 1

Same assignee. Check ODP.

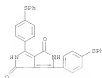
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 200407604	A1	20040122	WO 2003-EP7736	20030708
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BM: GB, GM, GR, IL, IN, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LB, LC, LG, LI, LT, LV, LU, LY, MA, MD, ME, MG, MK, MN, MU, MV, MW, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PK, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SL, SV, SZ, TH, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GU, GW, HT, IL, IN, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LB, LC, LG, LI, LT, LV, LU, LY, MA, MD, ME, MG, MK, MN, MU, MV, MW, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PK, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SL, SV, SZ, TH, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
NO 2003250910	A1	20040202	NO 2003-250910	20030708
EP 151802	A1	20050413	EP 2005-151802	20050708
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CN 164668	A	20050914	CN 2005-164668	20050708
JP 2005573143	T	20051104	JP 2004-158123	20050708
US 20050261402	A1	20051114	US 2005-158123	20050708
US 729514	B2	20071009		20050708
MX 2005PA00491	A	20050408	MX 2005-PA0491	20050708
IN 2005CH00202	A	20070907	IN 2005-CH002	20050708
PRIORITY APPL. INFO.:			CN 2005-1250	20050708
			WO 2003-EP7736	20030708

OTHER SOURCE(S): MURPHY 140112512
 IF 64517-01-EP 64517-02-EP 64517-03-EP
 64517-04-EP 64517-05-EP 64517-06-EP
 N/A INF (Industrial manufacture) NCH (Modification or additive use) PREP (Preparation) US88 (Uses)
 [property] high-mol.-weight polymeric materials comprising diheteropyrrolopyrrole pigments for optical color filters
 RI 64517-01-3 CAPLUS
 CH Pyrrrole[3,4-c]pyrrole-3,4-dione, 2,5-dihydro-3,6-bis[4-[(phenylthio)phenyl]- (CA INDEX NAME)

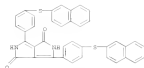
Genus disclosed. Encompasses one of the possible mixtures.
 Makes no mention of the other component of the mixture disclosed in the instant. Would require picking/choosing to arrive at the encompassed component in the instant. No ODP.
 No 102. No 103.

10/576,703 - Compound Search Review

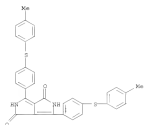
L14 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RD 646517-02-4 CAPLUS
CN Pyrrole[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-(2-naphthalenylthio)phenyl]- (CA INDEX NAME)

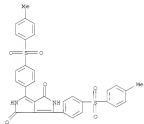


RD 646517-03-5 CAPLUS
CN Pyrrole[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-(4-methylphenylthio)phenyl]- (CA INDEX NAME)



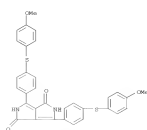
RD 646517-04-6 CAPLUS
CN Pyrrole[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-(4-methoxyphenylthio)phenyl]- (CA INDEX NAME)

L14 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

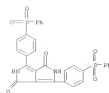


REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RD 646517-07-9 CAPLUS
CN Pyrrole[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-(phenylthio)phenyl]- (CA INDEX NAME)



RD 646517-08-0 CAPLUS
CN Pyrrole[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-(4-methylphenylthio)phenyl]- (CA INDEX NAME)

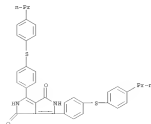
L14 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2001122313 CAPLUS
DOCUMENT NUMBER: 134/273270
TITLE: Fluorescent diketopyrrolopyrroles
INVENTOR(S): Murelli, Robert; May, Shungh Yamamoto, Hiroshi
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Swiss.
SOURCE: Eur. Pat. Appl., 28 pp.
CODEN: EPKULM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
BRIEF INFORMATION:

Same assignee. Check ODP.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1087005	A1	20010218	EP 2000-616847	20000919
EP 1087005	B1	20040225		
US 6630220	US	20000805	US 2000-021020	20000906
JP 2001097975	A	20010410	JP 2000789713	20000922
US 75346	B1	20070930	US 2000-66459	20000927
US 2003087106	A1	20031002	US 2003-34602	20030110
PRIORITY APPL. INFO:			EP 1999-616847	A 19990517
			US 2000-735080	A3 20000907

OTHER SOURCE(S): MARPAT 134/273270
IT 371678-15-09
R1: INF (Industrial manufacture); MCT (Reactant); PRP (Preparation); RCT (Reactant or reagent)
RU Fluorescent diketopyrrolopyrrole deriv. and their preparation and use
CN Pyrrole[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-(4-propylphenylthio)phenyl]- (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

2 APR 2008

Same situation re genus disclosed rather than instant's species. No mention of one of the components of the instant's mixture. No ODP. No 102. No 103.

EP/WO.

INSTANT

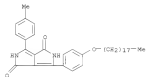
[illegible]

PRORITY AFFIN. INFO.: EP 2006-116900 A 20060710
IT 850566-76-6
NA: TIM (Technical or engineered material use); USES (Uses)
(pigment; method of protecting organic material from light with pigments)
EN 850566-76-6 CASRN
CN Pyrrole[1,4-c]pyrrole-1,4-dione, 2,5-dihydro-3-[4-methylphenyl]-6-[4-
octadecyloxyphenyl]- (CA INDEX NAME)

[illegible]

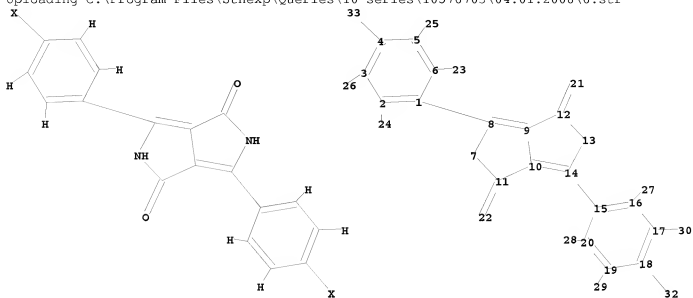
OTHER SOURCE(S):	CASREACT 142;142928; NAPSAT 142;142928
IN 89046-76-6P	
<p> RI: CDS (Cosmetic use); IMF (Industrial manufacture); NSA (Modifier or active use); TFM (Technical or transport use); BICL (Biological study); PEEP (Preparation); USES (Uses) [red pigment; production of heat-stable diketopropylpropiolone pigment masts. for cosmetics] IN 89046-76-4 CARLOS CN Pyrrole[4,5-c]pyrrole-1,4-dione, 2,5-dihydro-3-(4-methylphenyl)-6-[4- octadecylphenoxy]phenyl]- (CA INDEX NAME) </p>	

115 ANSWER 2 OF 2 CAPLOS COPYRIGHT 2001 ACS on STN (Continued)



REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

=>
 Uploading C:\Program Files\Stnexp\Queries\10 series\10576703\04.01.2008\6.str



```

chain nodes :
21 22 23 24 25 26 27 28 29 30 32 33
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
chain bonds :
1-8 2-24 3-26 4-33 5-25 6-23 11-22 12-21 14-15 16-27 17-30 18-32 19-29 20-28
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 9-12 10-11 10-14 12-13 13-14
15-16 15-20 16-17 17-18 18-19 19-20
exact/norm bonds :
7-8 7-11 8-9 9-10 9-12 10-11 10-14 11-22 12-13 12-21 13-14
exact bonds :
1-8 2-24 3-26 4-33 5-25 6-23 14-15 16-27 17-30 18-32 19-29 20-28
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 15-16 15-20 16-17 17-18 18-19 19-20

```

G1:X,CH3,i-Bu,Et

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:CLASS
22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS
32:CLASS 33:CLASS

```

L16 STRUCTURE UPLOADED

=> s l16
 REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 14:01:40 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 189 TO ITERATE

100.0% PROCESSED 189 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

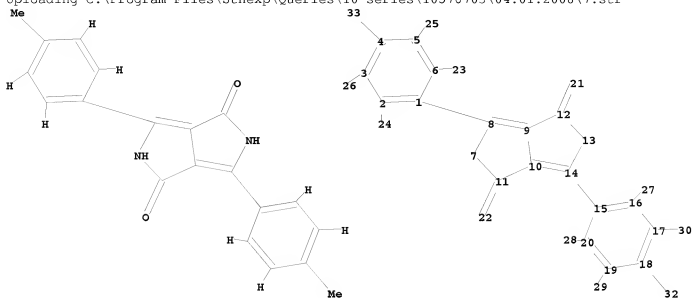
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2956 TO 4604
PROJECTED ANSWERS: 2 TO 124

L17 2 SEA SSS SAM L16

L18 2 L17

=> d ibib hitstr 1-2

=>
 Uploading C:\Program Files\Stnexp\Queries\10 series\10576703\04.01.2008\7.str



```

chain nodes :
21 22 23 24 25 26 27 28 29 30 32 33
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
chain bonds :
1-8 2-24 3-26 4-33 5-25 6-23 11-22 12-21 14-15 16-27 17-30 18-32 19-29 20-28
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 9-12 10-11 10-14 12-13 13-14
15-16 15-20 16-17 17-18 18-19 19-20
exact/norm bonds :
7-8 7-11 8-9 9-10 9-12 10-11 10-14 11-22 12-13 12-21 13-14
exact bonds :
1-8 2-24 3-26 4-33 5-25 6-23 14-15 16-27 17-30 18-32 19-29 20-28
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 15-16 15-20 16-17 17-18 18-19 19-20

```

G1:X,CH3,i-Bu,Et

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:CLASS
22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS
32:CLASS 33:CLASS

```

L19 STRUCTURE UPLOADED

=> s l19
 REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
 Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 14:02:43 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 99 TO ITERATE

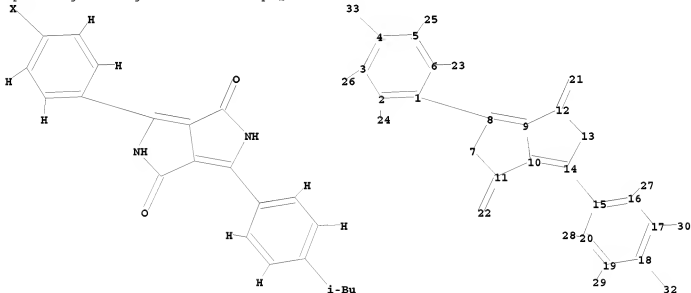
100.0% PROCESSED 99 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 1384 TO 2576
 PROJECTED ANSWERS: 0 TO 0

L20 0 SEA SSS SAM L19

L21 0 L20

=>
 Uploading C:\Program Files\Stnexp\Queries\10 series\10576703\04.01.2008\8.str



chain nodes :
 21 22 23 24 25 26 27 28 29 30 32 33
 ring nodes :
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
 chain bonds :
 1-8 2-24 3-26 4-33 5-25 6-23 11-22 12-21 14-15 16-27 17-30 18-32 19-29 20-28
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 9-12 10-11 10-14 12-13 13-14
 15-16 15-20 16-17 17-18 18-19 19-20